

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 8/3/06 Serial # 09/832,867 Priority Application Date 4/17/00

Your Name M. Lewis Examiner # 73172

AU 2522 Phone 202-1835 Room 5A30

In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: needed before 8/14/06

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐
Secondary Refs ☐ Foreign Patents ☐ Other ☐

AUG 4 REC'D

Is this a "Fast & Focused Search" request? (Circle One) YES ☐ NO ☒

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

TFT Claims 1-14, 25-38,
Problem: See pages 1 & 2
Solution 11, 11, 2-7
Reduce the number of photolithography
steps in order to improve yield and
improve cost.
US 6,259,138 6,225,150
6,288,413

Staff Use Only

Searcher: Mary Mms

Searcher Phone: 25928

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 8/19/06

Date Completed: 8/15/06

Searcher Prep/Rev Time: 360

Online Time: 70

Type of Search

Structure (#) ☒

Bibliographic ☒

Litigation ☐

Fulltext ☐

Patent Family ☐

Other ☐

Vendors

STN ☒

Dialog ☐

Questel/Orbit ☐

Lexis-Nexis ☐

WWW/Internet ☐

Other ☐

=> d his full

(FILE 'HOME' ENTERED AT 09:57:58 ON 15 AUG 2006)

FILE 'REGISTRY' ENTERED AT 09:58:27 ON 15 AUG 2006

L1 149 SEA ABB=ON PLU=ON N.TA/MF
L2 428 SEA ABB=ON PLU=ON N TA/ELF
L3 274 SEA ABB=ON PLU=ON N.TI/MF
L4 3130 SEA ABB=ON PLU=ON N TI/ELF
L5 164523 SEA ABB=ON PLU=ON W/ELS

FILE 'CAPLUS' ENTERED AT 09:59:45 ON 15 AUG 2006

SET LINE 250
SET DETAIL OFF
E LED+ALL/CT
SET LINE LOGIN
SET DETAIL LOGIN

L6 555458 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR OLED OR
FLED OR ?LIMINO?
L7 3438 SEA ABB=ON PLU=ON ATOM(2A) (CM3 OR CENTIMETER(W) (CUBIC OR
CUBE) OR CC)
L8 60009 SEA ABB=ON PLU=ON N(4W) (REGION OR AREA OR LAYER OR LAMINA OR
SEMICONDUCT?)
L9 276590 SEA ABB=ON PLU=ON TFT OR THIN FILM OR ACTIVE MATRIX OR LCD
L10 39362 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4)
L11 231 SEA ABB=ON PLU=ON L6 AND L8 AND L9
L12 243003 SEA ABB=ON PLU=ON GATE OR SWITCH? OR BASIC LOGIC? ELEMENT
L13 19 SEA ABB=ON PLU=ON L11 AND L12
D TI 1-19
L14 1 SEA ABB=ON PLU=ON US20010055841/PN
SEL RN
L15 1588313 SEA ABB=ON PLU=ON (11105-01-4/BI OR 11116-16-8/BI OR
12033-62-4/BI OR 12033-89-5/BI OR 25067-59-8/BI OR 25233-34-5/B
I OR 7429-90-5/BI OR 7440-02-0/BI OR 7440-21-3/BI OR 7440-33-7/
BI OR 7440-42-8/BI OR 7440-44-0/BI OR 7723-14-0/BI)
L16 1 SEA ABB=ON PLU=ON L14 AND L15
D IBIB ABS HITSTR
D IBIB ABS HITSTR HITIND
L17 18 SEA ABB=ON PLU=ON L13 NOT L16
D IBIB ABS 1-18
L18 9 SEA ABB=ON PLU=ON L10 AND L11
L19 7 SEA ABB=ON PLU=ON L18 NOT L13
D IBIB ABS HITSTR HITIND 1-7
L20 0 SEA ABB=ON PLU=ON L11 AND L7
L21 6 SEA ABB=ON PLU=ON L7 AND L8 AND L9
L22 6 SEA ABB=ON PLU=ON L21 NOT (L13 OR L19)
D IBIB ABS HITIND 1-6

FILE 'INSPEC, COMPENDEX' ENTERED AT 10:30:36 ON 15 AUG 2006

L23 379079 SEA ABB=ON PLU=ON L6
L24 1742 SEA ABB=ON PLU=ON L7
L25 31364 SEA ABB=ON PLU=ON L8
L26 466191 SEA ABB=ON PLU=ON L9
L27 607818 SEA ABB=ON PLU=ON L12

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L28 13 SEA ABB=ON PLU=ON L23 AND L25 AND L26 AND L27
D IALL 1-13
L29 2 SEA ABB=ON PLU=ON L24 AND L25 AND L26
L30 2 DUP REM L29 (0 DUPLICATES REMOVED)
L31 2 SEA ABB=ON PLU=ON L30 NOT L28
D IALL 1-2

FILE 'JAPIO, KOREAPAT' ENTERED AT 10:40:31 ON 15 AUG 2006

L32 187978 SEA ABB=ON PLU=ON L6
L33 184 SEA ABB=ON PLU=ON L7
L34 56278 SEA ABB=ON PLU=ON L8
L35 154248 SEA ABB=ON PLU=ON L9
L36 789321 SEA ABB=ON PLU=ON L12
L37 13 SEA ABB=ON PLU=ON L32 AND L34 AND L35 AND L36
L38 2 SEA ABB=ON PLU=ON L37 AND PY>=2001
L39 11 SEA ABB=ON PLU=ON L37 NOT L38
L40 11 DUP REM L39 (0 DUPLICATES REMOVED)
D IALL 1-11

FILE 'WPIX' ENTERED AT 11:07:23 ON 15 AUG 2006

L41 220814 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR OLED OR
FLED OR ?LIMINO?
L42 1530 SEA ABB=ON PLU=ON ATOM(2A) (CM3 OR CENTIMETER(W) (CUBIC OR
CUBE) OR CC)
L43 35584 SEA ABB=ON PLU=ON N(4W) (REGION OR AREA OR LAYER OR LAMINA OR
SEMICONDUCT?)
L44 211968 SEA ABB=ON PLU=ON TFT OR THIN FILM OR ACTIVE MATRIX OR LCD
L45 1066169 SEA ABB=ON PLU=ON GATE OR SWITCH? OR BASIC LOGIC? ELEMENT
L46 62 SEA ABB=ON PLU=ON L41 AND L43 AND L44 AND L45
L47 3 SEA ABB=ON PLU=ON L46 AND L42
D IALL 1-3
D L47 3 IFULL
L48 59 SEA ABB=ON PLU=ON L46 NOT L47
L49 58 SEA ABB=ON PLU=ON L48 AND PY>=2001
L50 1 SEA ABB=ON PLU=ON L48 NOT L49
D IFULL
L51 53 SEA ABB=ON PLU=ON L48 AND PRY>=2001
L52 5 SEA ABB=ON PLU=ON L48 NOT (L50 OR L51)
D IALL 1-5